

Date: Tue, 1 Jun 93 22:59:02 PDT
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V93 #667
To: Info-Hams

Info-Hams Digest Tue, 1 Jun 93 Volume 93 : Issue 667

Today's Topics:

 Bad News For Blind U.S. Hams :-(
 Best Mobile Dual-Band Rig? (2 msgs)
 Call Sign Server, Where?
 Collins tool
 Daily Solar Geophysical Data Broadcast for 01 June
 Generate SSB using combined AM/FM?
 GMRS; type acceptance question
 HTX-202 mods (2 msgs)
 Icom IC-24AT Query
 Japanese version TH-77 mod needed
 Morse Code for the Mac
 Most up-to-date callbook?
 roof mounted tri-band beam
 solar powered stations..
 Varney's antenna
 Warning! FT5200 DANGER! (2 msgs)

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: 1 Jun 1993 14:18:10 -0700
From: usc!sol.ctr.columbia.edu!news.kei.com!ssd.intel.com!ichips!ornews.intel.com!
ornews.intel.com!not-for-mail@network.UCSD.EDU
Subject: Bad News For Blind U.S. Hams :-(
To: info-hams@ucsd.edu

davros@thumper.cc.utexas.edu (Buddy Brannan) writes:

>My personal view on this, as a blind Extra Class ham is that the FCC is wrong.
>Blind people can (and have) given exams (both as teachers and professors,
>to sighted students and I'm certain as VE') for quite some time now. They have
>done so successfully, since these teachers are still employed ... The fact
>that these blind people are blind has not hindered their ability to "observe"
>their surroundings. This is probably one of the silliest (and stupidest and
>lots of other things) thing I've heard from the FCC in some time.

Please. My mother was blind, so I know what it is to get away with
stuff and take advantage. How can a blind person tell if someone
is not reading a "cheat" sheet or showing an answer to someone
else during a test? There just are some things blind people
can't do.

George

Date: Wed, 2 Jun 1993 00:18:28 GMT
From: netcomsv!netcom.com!feustel@decwrl.dec.com
Subject: Best Mobile Dual-Band Rig?
To: info-hams@ucsd.edu

I'm thinking about getting a mobile dual band (144/440) rig for my car
and I'm looking for input about units from major manufacturers from
people who are using them already. I lean towards ICOM since I'm
pleased with the performance of my W2A. Opinions Please?

--
Dave Feustel N9MYI <feustel@netcom.com>

Q: What do you call a resident of CA, NY, MA, NJ, RI, IL or MY who is
neither a(n armed) law enforcement officer nor a felon?

ANS. A Designated Victim.

Date: Wed, 2 Jun 1993 02:54:07 GMT
From: news.cerf.net!pagesat!spssig.spss.com!feenix.metronet.com!
marcbg@network.UCSD.EDU
Subject: Best Mobile Dual-Band Rig?
To: info-hams@ucsd.edu

In article <feustelC7ywut.CGu@netcom.com> feustel@netcom.com (David Feustel)
writes:

>I'm thinking about getting a mobile dual band (144/440) rig for my car
>and I'm looking for input about units from major manufacturers from

>people who are using them already.I lean towards ICOM since I'm
>pleased with the performance of my W2A. Opinions Please?

Although I own a Kenwood 741, I would have to say, based on many fellow ham reports here in the Dallas-Fort Worth area, the Kenwood 732 is the winner hands down. The combination of size, power output, detachable front panel, and remote controlability (is that a word) make it tops, plus the receiver is a little more solid than the 741. The 732 wasn't out in the US when I purchased my 741.

I have some friends who have the Alinco 600, but I personally think the audio sounds a little funky on it. If I had to buy a new dual bander (and I will pretty soon) I'd get a 732.

Marc, N5MEI

--

Date: Mon, 31 May 93 19:44:48 -0400
From: usc!howland.reston.ans.net!sol.ctr.columbia.edu!news.kei.com!eddie.mit.edu!
news.intercon.com!psinnntp!wlnntp.psi.com!usenet@network.UCSD.EDU
Subject: Call Sign Server, Where?
To: info-hams@ucsd.edu

Paul... tnx for this info. I'll give it a try and see if that gets a reply any quicker. What I'll also do is make the same suggestion in the text file that instructs our AOL users to do the same.

Again... tnx.

>DATE: Sat, 29 May 1993 02:26:49 GMT
>FROM: Paul W Schleck KD3FU <pschleck@cwis.unomaha.edu>
>
>"Terry Stader KA8SCP" <p00489@psilink.com> writes:
>
>>I have been getting reports that the callbook@sat.datapoint.com has not
>>been working. Anybody on the net able to confirm that? It seems that
>>some of the AOL users have not gotten replies in several months.
>
>I just did a test query to the address, and got a reply in seconds (yes,
>I'm directly on the Internet :-). What may be happening is that the
>server cannot resolve your return address. In that case, you may have
>to add a line at the end of the form:
>
>path tstader@aol.com
>
>and then see if it responds. You may also have to put "quit" after the

>commands and before your signature file (if any) to avoid confusing the
>server.

>
>73, Paul W. Schleck, KD3FU
>
>pschleck@unomaha.edu
>

Date: Wed, 02 Jun 1993 03:33:11 GMT
From: usc!wupost!crcnis1.unl.edu!news.unomaha.edu!nevada.edu!jimi!physics.unr.edu!
nimbus!mswmod@network.UCSD.EDU
Subject: Collins tool
To: info-hams@ucsd.edu

In article <C7yIL7.9Go@srigenprp.sr.hp.com> alanb@sr.hp.com (Alan Bloom) writes:
>stark (mswmod@nimbus.sage.unr.edu) wrote:

>
>: The old 75A sieres used a lot of Bristol Spline fastners. They
>: look like allen but with extra groves.
>
>: Xxelite makes them. I get them from many mail order co's. Jensen etc.
>
>: This may be what you have. Allen wrenches will go in but slip just
>: before you get enough pressure on it to move!!
>
>Will Torx wrenches work in spline fasteners? They do look alike.
>
>AL N1AL
>

Hi Al,

Never tried it but I don't think they will.

Might work if you don't need too much toqure on them.

KU7Y

Date: 2 Jun 93 03:09:36 GMT
From: news-mail-gateway@ucsd.edu
Subject: Daily Solar Geophysical Data Broadcast for 01 June
To: info-hams@ucsd.edu

!!BEGIN!! (1.0) S.T.D. Solar Geophysical Data Broadcast for DAY 152, 06/01/93

10.7 FLUX=136.6 90-AVG=121 SSN=140 BKI=2111 2210 BAI=004
BGND-XRAY=B4.6 FLU1=4.5E+05 FLU10=1.2E+04 PKI=2111 2211 PAI=004
BOU-DEV=010,008,007,006,010,015,006,003 DEV-AVG=008 NT SWF=00:000
XRAY-MAX= C4.0 @ 0450UT XRAY-MIN= B4.0 @ 1711UT XRAY-AVG= B5.9
NEUTN-MAX= +000% @ 0000UT NEUTN-MIN= +000% @ 0000UT NEUTN-AVG= +0.0%
PCA-MAX= +0.0DB @ 0000UT PCA-MIN= +0.0DB @ 0000UT PCA-AVG= +0.0DB
BOUTF-MAX=55370NT @ 0018UT BOUTF-MIN=55329NT @ 1748UT BOUTF-AVG=55357NT
GOES7-MAX=P:+000NT@ 0000UT GOES7-MIN=N:+000NT@ 0000UT G7-AVG=+079,+000,+000
GOES6-MAX=P:+120NT@ 1446UT GOES6-MIN=N:-067NT@ 0258UT G6-AVG=+103,-015,-043
FLUXFCST=STD:135,135,130;SESC:135,135,130 BAI/PAI-FCST=005,010,015/010,015,015
KFCST=1113 3111 2224 3221 27DAY-AP=007,009 27DAY-KP=1132 3221 2222 3332
WARNINGS=*SWF
ALERTS=**SWEEP:II=1@0455-0501UTC
!!END-DATA!!

NOTE: The Effective Sunspot Number for 31 MAY 93 was 85.0.
The Full Kp Indices for 31 MAY 93 are: 2o 2- 1+ 2- 2+ 2+ 2- 2-

Date: Tue, 1 Jun 1993 20:48:33 GMT
From: netcomsv!netcom.com!btoback@decwrl.dec.com
Subject: Generate SSB using combined AM/FM?
To: info-hams@ucsd.edu

In the ARRL publication "Solid State Design for the Radio Amateur," reference is made to generating an SSB signal by combining AM and FM: "...it may be shown mathematically that a carrier which is amplitude modulated properly and frequency modulated simultaneously will yield a single-sideband output."

Unfortunately, the text gives no references, and my nearly-vanished knowledge of trigonometric identities is apparently not adequate to derive this result. Can anyone point me at some references and/or provide more information about the technique? How should the amplitude and phase of the carrier and modulating waveforms be adjusted to yield the desired sideband?

Thanks for any help -- post here or email to btoback@netcom.com.

-- Bruce Toback

Date: Tue, 1 Jun 1993 21:23:14 GMT
From: swrinde!gatech!howland.reston.ans.net!noc.near.net!news.bbn.com!petra!popovich@network.UCSD.EDU
Subject: GMRS; type acceptance question
To: info-hams@ucsd.edu

>Your tranceiver is probably type accepted under part 15. This covers the
>emmissions from the receiver. I am unaware of any part 97 type acceptance.

Part 97 type acceptance? Is this an oxymoron, or what? Probably a
typo. I guess he meant <whatever part covers GMRS> instead, since any
ham is allowed to throw together a few parts and come up with
something "type accepted" for Part 97 operation. :-)

-Steve

Date: 1 Jun 93 21:34:00 GMT
From: news-mail-gateway@ucsd.edu
Subject: HTX-202 mods
To: info-hams@ucsd.edu

>
> PS: Is it normal for the 202 to have a birde on 146.760?? Maybe that
> is common?? cul

>
I don't know about normal, but mine does it too. So does a friends. It
is not picking up an external signal. BTW, it only is observed when the
rubber ducky is used, ie when an external antenna is used, it goes away,
so it seems to be an oscillation involving reactive components in the
rubber ducky! It goes away if you hold your hand near the antenna too,
but so does the reception of distant signals.

Date: 1 Jun 93 13:15:14 EST
From: titan.ksc.nasa.gov!k4dii.ksc.nasa.gov!user@ames.arpa
Subject: HTX-202 mods
To: info-hams@ucsd.edu

In article <Pine.3.05.9305291725.A25664-a1000000@uafhp.uark.edu>,
plaws@uafhp.uark.edu (Peter Laws) wrote:
> > PS: Is it normal for the 202 to have a birde on 146.760?? Maybe that
> > is common?? cul
> None on mine. Does it go away when you turn the computer off? 8-)
> My Amiga (MC68000 + custom co-processors) has a HUGE spur at *exactly*
> 146.76 MHz, which is, of course, the most active local repeater.

My Hewlett-Packard Paintwriter printer seems to have a spur on 146.76 MHz.
The signal seems to be there as long as the printer is plugged-in, since
it's control circuit is really only asleep when it is "off"!

I have picked up this spur on several radios, so it's not just the HTX-202.

73, Fred, K4DII

fred-mckenzie@ksc.nasa.gov

Date: 1 Jun 93 13:45:25 EST
From: titan.ksc.nasa.gov!k4dii.ksc.nasa.gov!user@ames.arpa
Subject: Icom IC-24AT Query
To: info-hams@ucsd.edu

In article <1993May30.021127.5027@wattres.SJ.CA.US>, sking@wattres.SJ.CA.US (Steve King) wrote:

> I have a question re. the Icom IC-24AT. Where, in the front speaker
> grille, is the microphone located? I know my HT works but some people
> on the local repeater have told me that my volume/modulation is very
> low despite I talk into the grille at a normal speaking volume. Does
> anybody know where the microphone is located to I can direct my voice
> to that spot? Thanks

Steve-

The IC-24AT seems to have a chronic problem with low modulation. There is only a peak deviation adjustment (separate VHF and UHF adjustments), so you have to take whatever microphone gain there is after setting the peak. I believe the microphone element is located below the speaker, toward the right side. If you hold it at just the right angle, I think you can see the opening.

I haven't completely given up on mine. It came with peak deviation set for about 3.5 KHz, and less than 1 KHz average modulation when speaking within 1/2 inch of the microphone in a normal voice. The VHF side was adjusted to about 4.5 KHz by the AES technician, but he missed the UHF side. (Service manuals weren't available for about a year after the radio came out.) It is now just over 1 KHz average deviation on VHF.

I believe that by adjusting peak deviation with PL turned ON, for exactly 5.0 KHz, and speaking very close to the microphone, that we may get usable audio.

I corresponded via E-mail with an Icom person, who indicated that the design was deliberately done that way, because of complaints of high background noise on earlier radios. I find this hard to believe, and think they just don't want to admit liability for a mistake. He stated that it might be possible to increase microphone gain by changing some components, but that there is no Icom service note or bulletin telling how to do it.

After using the IC-2AT for many years, the IC-24AT has been quite a disappointment. This experience plus Icom's attitude, make me believe they are no longer producing dependable equipment. Now that Radio Shack has announced that their new handheld will not be the rumored dual-band, I'm looking toward Kenwood or Alinco for a replacement radio.

73, Fred, K4DII

fred-mckenzie@ksc.nasa.gov

Date: 1 Jun 93 21:24:46 GMT
From: news-mail-gateway@ucsd.edu
Subject: Japanese version TH-77 mod needed
To: info-hams@ucsd.edu

I just got a very nice TH-77 from a friend, unfortunately it is a Japanese version. Is there any mod for this model? I know there is one for TH-77A, but is it applicable to TH-77?

Any input are appreciated!

--
Eric
wangsh@mhd1.moorhead.msus.edu

Date: Tue, 01 Jun 93 21:33:41 -0400
From: swrinde!gatech!udel!news.intercon.com!psinnntp!wlnntp.psi.com!usernet@network.UCSD.EDU
Subject: Morse Code for the Mac
To: info-hams@ucsd.edu

Emery... under separate cover I am sending you the latest list of Ham Radio Software for the Macintosh. This list will periodically be posted to this net as well as some of the other rec.radio.amateur.* areas.

Hope this helps you out.

Terry - KA8SCP

>DATE: 1 Jun 93 11:50:15
>FROM: Emery Weber <emery@bert.cs.byu.edu>
>
>I am looking for a Morse Code trainer for the Macintosh. All the ones I have
>seen so far do not work with System 7. If anyone out there knows where I

>can find one, please let me know by either posting here or by e-mail.
>
>Emery (KB7TER)

Date: 2 Jun 1993 03:43:54 GMT
From: usc!howland.reston.ans.net!usenet.ins.cwru.edu!magnus.acs.ohio-state.edu!
flinxwei@network.UCSD.EDU
Subject: Most up-to-date callbook?
To: info-hams@ucsd.edu

Where is the most up to date callbook available over the internet?

73,
eric N8UNN

Date: 1 Jun 1993 22:57:02 GMT
From: sun-barr!male.EBay.Sun.COM!exodus.Eng.Sun.COM!neutron!parkin@decwrl.dec.com
Subject: roof mounted tri-band beam
To: info-hams@ucsd.edu

I would like to mount a beam/quad using my chimney. The chimney has reinforced steel bars in it and was recently redone from the roof up because of the 89 earthquake.

Where can I find a good chimney strap mount. The radio shack one does not look strong enough to hold a 30 lb. beam or quad. I was told to use two steel plates, one on each side of the chimney, held together with large bolts, to support the mast. Where can I find such a thing? Or who can make one for me. This sounds like a better idea than a roof mounted tower.
Mike

Date: 1 Jun 93 16:26:03 GMT
From: usc!hacgate!dunes!tony@network.UCSD.EDU
Subject: solar powered stations..
To: info-hams@ucsd.edu

I'd like to hear from any hams that run their stations 100% off solar power. Please email me your address so I can ask you questions...

thanks and 73
Tony AB6GA

Date: 1 Jun 93 17:12:44 EDT
From: hayes!bcoleman@uunet.uu.net
Subject: Varney's antenna
To: info-hams@ucsd.edu

In article <9RHe5B1w165w@nj8j.atl.ga.us>, ben@nj8j.atl.ga.us (Ben Coleman) writes:
> derry@NeXtwork.Rose-Hulman.Edu (John Derry) writes:

>> Jack's 3rd Rule of antennas:--

>> ! "NO MATTER WHAT KIND OF ANTENNA YOU PUT UP, !

>> ! SOMEONE, SOMEWHERE, WILL BE ABLE TO HEAR YOU." !

>

> I dunno about that. At least one of the Strange Antennas I have
> Built(tm) never resulted in a contact. It was an indoor 15m Slinky
> vertical. I took a Slinky, cut it to roughly the number of turns needed
> to make a half-wave(or was it a quarter-wave?) of wire and stretched it
> between a hook in the ceiling and the end-post on my bed. Attached coax
> shield to the bottom, and the center lead thru a variable capacitor to an
> alligator clip for a tap on the antenna. We(me and my brother) managed
> to get it to match, but never made a contact on it. There's probably
> some correlary to Murphy's Law that dictates that the major lobe was
> probably near vertical, thereby making the antenna useful only for 15
> meter moonbounce or space communications.

Perhaps the lack of a contact was more due to the inexperience of the operators and the crude nature of the transmitting equipment, combined with the low sunspot numbers of the time had something to do with it.

Perhaps if we had just been more persistant....

> | Ben Coleman NJ8J

--

Bill Coleman, AA4LR ! CIS: 76067,2327 AppleLink: D1958
Principal Software Engineer ! Packet Radio: AA4LR @ W4Q0
Hayes Microcomputer Products, Inc. ! UUCP: uunet!hayes!bcoleman
POB 105203 Atlanta, GA 30348 USA ! Internet: bcoleman%hayes@uunet.uu.net
Disclaimer: "My employer doesn't pay me to have opinions."
Quote: "The same light shines on vineyards that makes deserts." -Steve Hackett.

Date: Tue, 1 Jun 1993 15:46:56 EST
From: anomaly.sbs.com!kd1nr!news@uunet.uu.net
Subject: Warning! FT5200 DANGER!
To: info-hams@ucsd.edu

kenh@w8hd.org (Ken Hoehn) writes:

>
> To anyone with a Yaesu FT5200 with the 'wireless' mike option:
>
> DO NOT, *REPEAT*, DO NOT leave your radio on an unattended with this
> option installed.....any 49 MHz transmission in it's vicinity will be
> dutifully repeated through the radio and onto the air that is selected on
> the left frequency display.
>
> I discovered it the hard way: Car in the driveway, radio on. Me inside,
> on my cordless AT&T phone. Entire conversation (at least MY SIDE OF IT)
> was retransmitted over the local regional repeater for all to hear. And,
> it was not a conversation I'm particularly pleased with public reception of.

Well, there are two lessons to be learned from this. One, never leave the radio on in your car. Two, there's a modification for the MW-1 that will only let the radio key up when it receives both the 49MHz signal and an infrared command from the MW-1 remote. I think they list it in the users manual for the MW-1. By the way, are you pleased with the way the MW-1 works? I sent mine back after three days. It was a piece of junk.

Tony

```
-----  
Tony Pelliccio kd1nr/ae    "Usenet is like a herd of performing elephants  
*!*!*!*!*!*!*!*!*!*!*   with diarrhea -- massive, difficult to  
system@garlic.sbs.com     redirect, awe-inspiring, entertaining, and a  
-----                   source of mind-boggling amounts of excrement  
                           when you least expect it." --spaf (1992)
```

Date: Wed, 2 Jun 1993 05:18:17 GMT
From: usc!wupost!csus.edu!netcom.com!nagle@network.UCSD.EDU
Subject: Warning! FT5200 DANGER!
To: info-hams@ucsd.edu

root@olwejo.UUCP (Bob Kupiec) writes:

>In <1993May31.235517.20113@w8hd.org>, kenh@w8hd.org writes:
>>
>>To anyone with a Yaesu FT5200 with the 'wireless' mike option:
>>
>>DO NOT, *REPEAT*, DO NOT leave your radio on an unattended with this
>>option installed.....any 49 MHz transmission in it's vicinity will be
>>dutifully repeated through the radio and onto the air that is selected on

>>the left frequency display.

I'm suprised they even market a "wireless mike" option like that. The unit is acting as a repeater, but it doesn't have any of the controls a repeater is required to have. No ID, no remote shutdown, etc. Should the FCC be asked to yank its type approval?

John Nagle

Date: Tue, 1 Jun 1993 23:22:16 GMT
From: swrinde!gatech!howland.reston.ans.net!usenet.ins.cwru.edu!magnus.acs.ohio-state.edu!csn!boulder!ucsu!spot.Colorado.EDU!careyj@network.UCSD.EDU
To: info-hams@ucsd.edu

References <930528083034.10d46@NSULA.EDU>, <1u5i4n\$cqu@ux1.cso.uiuc.edu>, <oxenreid.738628325@chaos.cs.umn.edu>du
Subject : Re: Need for Radar Gun License RE: FCC Softball Fine

oxenreid@chaos.cs.umn.edu () writes:

>A good number of troopers used VASCAR. Which takes all the fun out of
>a trail. If it takes you X seconds to travel 1/4 mile
>than you must be traveling Y speed. Unless you and Scotty are working
>on a new Physics, the ticket holds.

I know a guy here in Colorado who beat a ticket that was taken using an airplane spotter (I presume this is the same - a guy in an airplane times you as you pass between the markings are on the pavement). My friend succeeded by pointing out to the Judge the possibility for error in timing: i.e. if the guy in the plane started the stop watch a second late and stopped it a second early the indicated speed would be off by more than he was speeding, which wasn't much.

Joe Carey
joe@lobos.colorado.edu

End of Info-Hams Digest V93 #667
